

February 2 - February 8, 2001

The Terra spacecraft is currently operating in its nominal mode. All five instruments are operating in Science Mode. During the month of January 2001, 40.2 terabits of science data were transmitted from the spacecraft to the ground with a 99.95 percent success rate.

On February 2, there was a successful Alaska ground contact, replaying Solid State Recorder (SSR) data for MODIS via X-band. On February 5, at 14:36:47 zulu, the Terra Flight Operations Team saw the Retransmit Flag appear while the Absolute Time Command (ATC) load was being uplinked. The Flag was cleared and reset and the ATC was successfully uplinked. This problem is one of three command problems that are being worked with the EOS Real-time Processing System (ERPS) and its interface to the remote stations. Particular attention is being focused on the Tracking and Data Relay Satellite System (TDRSS) 275 command interface.

The ASTER shortwave infrared (SWIR) temperature anomaly investigation continues.

PLANS

The Terra Flight Ops team will support the
ASTER field campaign on February 7;

There will be MOPITT calibration and decontamination activities
from Feb. 7-15. The Thermal
Control System plans to monitor the MOPITT Capillary Pumped Heat
Transfer System (CPHTS) during power level changes during the
decontamination activities;

The next Master Oscillator Frequency
Adjust is planned for February 8;

There is a roll maneuver scheduled
for February 12;

The next Solar Array Offset Adjustment is planned
for on or about March 1;

New MISR software will be uploaded in April
2001.

